The filter is inserted with the rubber disc to the front facing the tip and flush with the end of the tube at the rear. The frequency of the filter replacement schedule is dependant on the cleanliness of desolder projects and also on the amount of flux used.

Warning:
If the solder collector cylinder is dropped on a hard surface or otherwise abused, it may become damaged and useless. Use caution when handling.

To replace the collector, place the tube on the rear seal at an angle (use the tweezers if it is hot), push it back as far as it will go, and tilt it back into the correct position.

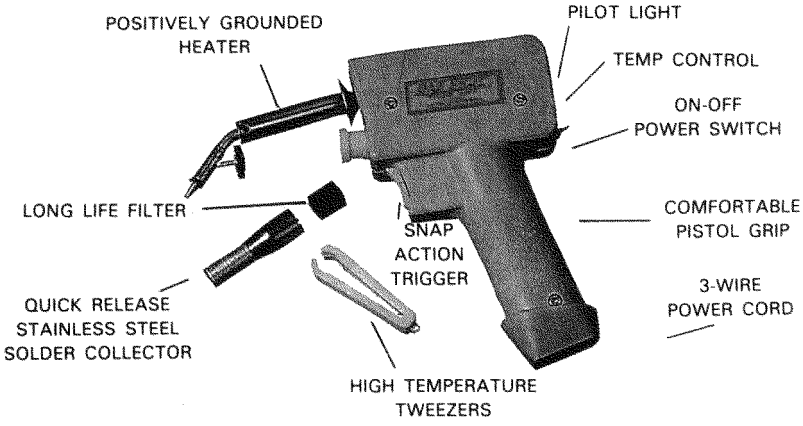
NOTE that the smaller chamfered side of the tube always goes forward and seals on the front tip seal. A slight twist of the tube will help form a tight seal.

Always operate tool with the filter in place and be aware that unapproved substitutes may not operate efficiently.

CLEANING THE TIP & HEATING HEAD ASSEMBLY (IMPORTANT: FOR BEST RESULTS, DO THIS WHILE THE TOOL IS AT OPERATING TEMPERATURE)

1. Routine Cleaning
   Insert a stiff wire through the tip and rotate, then remove and depress the trigger several times.
2. Regular Maintenance
   A. Remove tip, use a 5/16" nut driver, socket, or wrench.
   B. Remove solder collector (See Solder Collector: Cleaning & Replacement for removal instruction).
   C. Insert a small screwdriver into the tip socket, turn it to dislodge solder oxides, and shake them out on a metal surface.
   D. Insert a wire, or the small allen wrench used for the heater set screw, into the hole in the back of the front seal and rotate to remove any oxides which may have formed there as well.
   E. Replace the tip.
   F. Replace the solder collector. Press the trigger several times and listen for air emissions and a light "thump", which indicate a proper seal.

   Unit should now be ready to use.



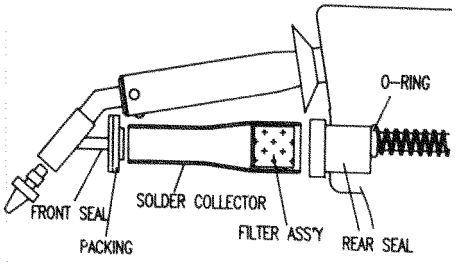


FIG. 1a

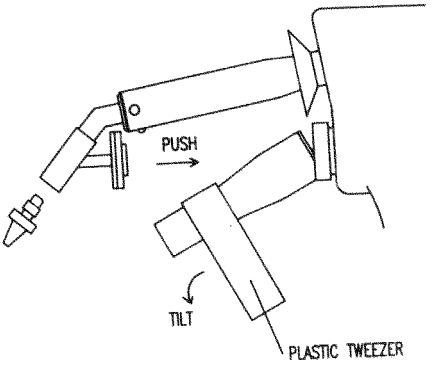
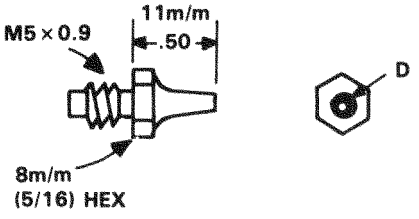
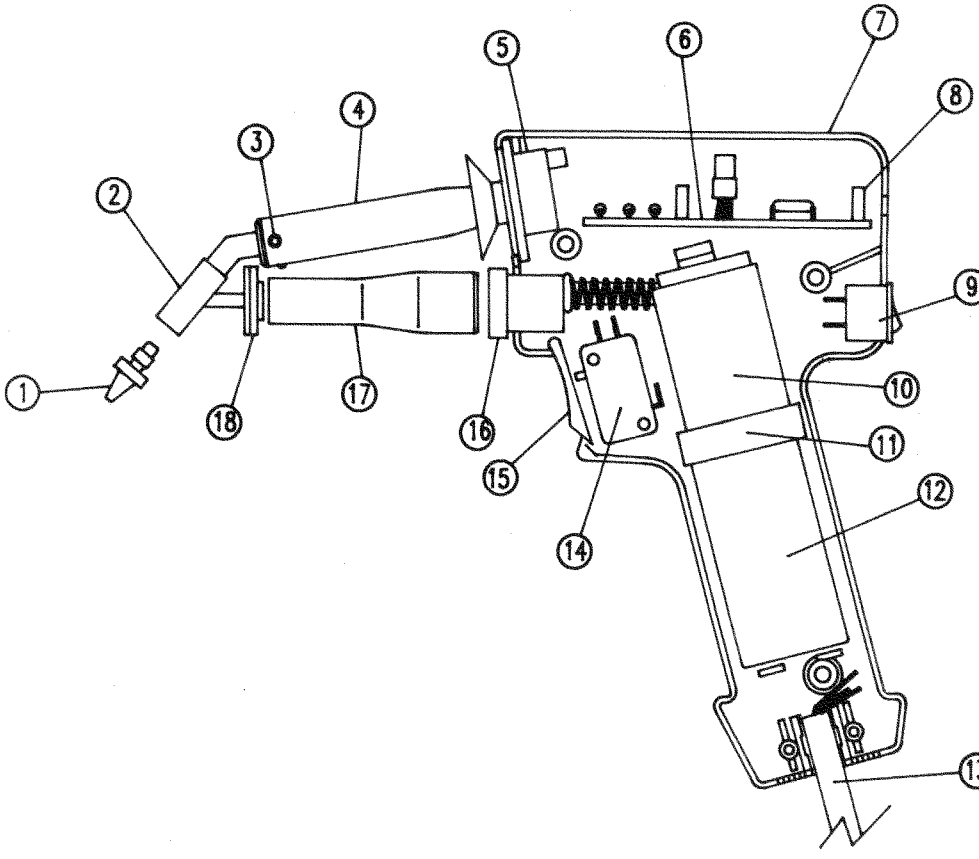


FIG. 2b

AVAILABLE TIP SIZE CHART



PART NO.	DIAMETER (mm/Inch)
44-414308	0.8 (0.03)
44-414310	1.0 (0.038)
44-414312	1.2 (0.046)



ITEM	PART NUMBER	DESCRIPTION
1	44-414310-2022	DESOLDER TIP 1.0MM
2	42A060072-03	TIP ASS'Y
3	39-014005-1040	M4×4 SET SCREW
4	79-120060N11	120V HEATER ELEMENT ASS'Y
4-1	79-230060N11	230V HEATER ELEMENT ASS'Y
4-2	79-250060N11	250V HEATER ELEMENT ASS'Y
5	26-060125-07	HEATER HOLDER
6	66A213058-22	P.C.B. ASS'Y
7	26-060126-08	RIGHT COVER, GERY
8	13-355110-0012	TEMP ADJ. VR 50K/120V
8-1	13-316110-0012	TEMP ADJ. VR 100K/230V~250V
9-1	53-041142-240	SPDT ILLUMINATED ROCKER SW.120V
9-2	53-041192-240	SPDT ILLUMINATED ROCKER SW.230V

10	26-050131-09	VACUUM CYLINDER
11	26-050130-09	VACUUM CYLINDER HOLDER
12	65-1021111	SOLENOID ASS'Y, 120V
12-1	65-1041111	SOLENOID ASS'Y, 230V
12-2	65-1051111	SOLENOID ASS'Y, 240V
13	33-120326-211	AC POWER CORD, UL
13-1	33-330527-211	AC POWER CORD, VDE
13-2	33-540725-213	AC POWER CORD, SAA
14	53-051252-350	MICRO SWITCH
15	26-060128-07	TRIGGER
16	26-050133-09	REAR SEAL ASS'Y
17	28-020110-01	SOLDER COLLECTOR Ø16×56.5mm
18	52-050031-01	PACKING Ø18×8×2mm

ONE-SHOT 2008 HI-SPEED DESOLDERING TOOL MAINTENANCE INSTRUCTIONS & OPERATING PROCEDURES

(Please read before operating)

First Use:

Inspect unit for any possible damage in shipment. If there is visible damage, do not connect to an electrical socket, but return the unit for replacement. If the unit is undamaged, plug it in and turn the power switch to the on position and wait three to five minutes. Tin the tip liberally with solder. After the unit is at operating temperature, check the heater set screw on the side of the heater arm to make sure that the heating head assembly is secure. (Caution: Heater set screw can reach 800°F, always avoid contact with the heater and desolder tip.)

Operating:

1. Place the hollow tip over the lead and onto the pad from which solder is to be removed. For best results the tip should be in direct contact, at right angles, with the pad.

2. Hold the tip in this position for 2-3 seconds or until the solder is melted, then squeeze the trigger to remove solder. The trigger should be held down for a full cycle of the pump. The cycle is automatic and takes about one second to complete. To repeat the cycle, release the trigger and then depress it again.

Tip Temperature Control

The temperature control is located on the rear of the unit just above the handle. Insert a small screwdriver in the adjusting hold (DO NOT PUSH TOO HARD), turn knob clockwise for higher temperature counterclockwise for lower temperatures.

Solder Collector: Cleaning & Filter Replacement (See Fig. 1)

To remove the stainless steel solder collector tube, place the plastic tweezers provided, on the tube over the red and white label and then push back towards the gun handle and grip with the tweezers so the tube will not slip. When the tube is as far back as it will go, tilt it downwards away from the heater and remove (CAUTION: Be sure to use tweezers, solder collector will be HOT.)

You should then be able to empty the excess solder, clear the inside of the tube, replace the filter (when needed), and clean solder build-up.